CIVIL ENGINEERING FLOWCHART
2013-14

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.

NOTE: LINEAR ALGEBRA & DIFFERENTIAL EQUATIONS CAN BE TAKEN DURING THE SAME SEMESTER (MA2321 & MA3521) OR SEPARATE SEMESTERS (MA2320 & MA3520)

**ENG1003 (AUTOCAD) IS HIGHLY RECOMMENDED BUT NOT REQUIRED

**ONE SEMESTER OF 3000 LEVEL OR HIGHER LANGUAGE COURSE CAN REPLACE UN1025

**UN1025 GLOBAL LITERACY (3 CREDITS) IS MANDATORY

NOTE: ENV3503 (ENVIRONMENTAL ENGINEERING) CAN BE TAKEN IN THE SOPHOMORE YEAR. CE3332 OR CE3401 CAN BE MOVED TO A LATER SEMESTER.

NOTE: HU/FA & S/BS COURSE CAN BE TAKEN IN EITHER ORDER IN THE SOPHOMORE YEAR.

UN1015 COMPOSITION (3 CREDITS) IS RECOMMENDED

ENG1003 AUTO-CAD (1 CREDIT)

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SENIOR DESIGN PREREQUISITES:
REQUIRED:
CE3202, CE3620, AND CE3101
PLUS 4 OF THE FOLLOWING:
(CE4213 or CE4223), (CE3331 OR CE3332),
CE3401, (ENVE3503 OR ENVE3501), CE3810

GENERAL EDUCATION REQUIREMENTS
A. CORE "UN" COURSES (13 CREDITS)
UN1015 (COMPOSITION) HU/FA (HUMANITIES/FINE ARTS)
UN1025 (GLOBAL LITERACY) S/BS (SOCIAL/BEHAVIORAL SCIENCES)
FA2330 EC2001
FA2520 PSY2000
FA2820
HU2130 SS2200
HU2501 SS2400
HU2538 SS2500
HU2700 SS2501
HU2820 SS2502
HU2910 SS2505
SS2504
SS2507
SS2600
SS2700
B. HASS DISTRIBUTION COURSES (12 CREDITS)
(http://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/)
C. CO-CURRICULAR ACTIVITIES (3 UNITS)
(http://www.mtud.edu/registrar/faculty-staff/advisors/gen-ed/)

ADDITIONAL PROFESSIONAL ELECTIVES:
* ANY 4000 OR 5000 LEVEL COURSE IN CIVIL AND ENVIRONMENTAL ENGINEERING. COULD BE ADDITIONAL COURSES IN A CHOSEN CONCENTRATION AREA.
* AN OVERALL GPA OF 3.0 IS REQUIRED TO TAKE GRADUATE LEVEL COURSES (5000 LEVEL)
* A MAXIMUM OF TWO (2) GRADUATE LEVEL COURSES MAY BE USED TOWARD YOUR BSCE DEGREE
* ANY 3000 OR HIGHER LEVEL COURSE IN BIOLOGY, CHEMISTRY, COMPUTER SCIENCE, GEOLOGY, OR PHYSICS.
* ANY 3000 OR HIGHER LEVEL COURSE IN AN ENGINEERING DEPARTMENT OTHER THAN THE DEPARTMENT OF CIVIL AND ENV. ENGINEERING.
* ANY 4000 OR HIGHER LEVEL COURSE IN MATHEMATICS.
* ANY 3000 OR HIGHER LEVEL COURSE IN BUSINESS OR ECONOMICS. (ACC, BUS, EC, FIN, MGT, MIS, MKT)
* ANY 2000 OR HIGHER LEVEL COURSE IN SURVEYING

NOTE: OTHER COURSES MAY BE USED TO SATISFY THE PROFESSIONAL ELECTIVES REQUIREMENT IF APPROVED BY THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING ACADEMIC ADVISOR.